Eastern Analytical, Inc.

professional laboratory & drilling services

E.J. Malone
Powder Mill Fish Hatchery (NH Fish&Game)
288 Merrymeeting Road
New Durham , NH 03855

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 157162
Client Identification: Powder Mill Fish Hatchery | Jun 2016
Date Received: 6/14/2016

Dear Mr. Malone :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 6.24.16 Date | 3 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **157162**

Client: **Powder Mill Fish Hatchery (NH Fish&Game)**

Client Designation: **Powder Mill Fish Hatchery | Jun 2016**

Temperature upon receipt (°C): 0.8 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
157162.01	Outfall 001	6/14/16	6/14/16	aqueous		Adheres to Sample Acceptance Policy
157162.02	Outfall 002	6/14/16	6/14/16	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater,20th Edition, 1998 and 22nd Edition, 2012
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: **157162**

Client: **Powder Mill Fish Hatchery (NH Fish&Game)**

Client Designation: **Powder Mill Fish Hatchery | Jun 2016**

Sample ID:	Outfall 001	Outfall 002			Analysis			
Lab Sample ID:	157162.01	157162.02						
Matrix:	aqueous	aqueous						
Date Sampled:	6/14/16	6/14/16						
Date Received:	6/14/16	6/14/16	**RL**	**Units**	**Date**	**Time**	**Method**	**Analyst**
Solids Suspended	< 2	**2**	2	mg/L	6/16/16	12:00	2540D-97	SP
Nitrate/Nitrite-N	< 0.5	< 0.5	0.5	mg/L	6/15/16	14:09	353.2	KD
Ammonia-N	**0.08**	**0.08**	0.05	mg/L	6/16/16	12:12	TM NH3	SEL
TKN	< 0.5	< 0.5	0.5	mg/L	6/20/16	12:08	$4500N_{org}C/N$	SEL
Total Nitrogen	< 0.5	< 0.5	0.5	mg/L	6/20/16	15:00	$4500_{org}C/N$	SEL
Total Phosphorus-P	**0.01**	**0.03**	0.01	mg/L	6/21/16	12:34	365.1	SEL
BOD	< 3	< 3	3	mg/L	6/15/16	8:55	5210B-01	ATA

Total Nitrogen is determined by the addition of Nitrate/Nitrite-N and TKN (TKN = Ammonia plus TON) concentrations.

CHAIN-OF-CUSTODY RECORD

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Sample IDs	Date/Time Composites need start and stop dates/times	Matrix	Parameters and Sample Notes	# of containers
Outfall 001	6/13-6/14/16 0800 (C)	aqueous Grab or (Comp)	AqTot/TSS/BOD/TPhos/TN/TKN/NO3NO2/NH3	4
☒ Sampler confirms ID and parameters are accurate			*Circle preservative/s:* HCL HNO_3 (H_2SO_4) NaOH MEOH $Na_2S_2O_3$ ICE	Dissolved Sample Field Filtered ☐
Outfall 002	6/13-6/14/16 0800 (C)	aqueous Grab or (Comp)	AqTot/TSS/BOD/TPhos/TN/TKN/NO3NO2/NH3	4
☒ Sampler confirms ID and parameters are accurate			*Circle preservative/s:* HCL HNO_3 (H_2SO_4) NaOH MEOH $Na_2S_2O_3$ ICE	Dissolved Sample Field Filtered ☐

Please ensure this auto COC is accurate, adheres to permit or sampling requirements for this sampling event, and modify as necessary.

EAI Project ID 784

Project Name Powder Mill Fish Hatchery | Jun 2016

State NH

Client (Pro Mgr) Tom Givetz

Customer Powder Mill Fish Hatchery (NH

Address 288 Merrymeeting Road

City New Durham NH 03855

Phone 859-2041 Fax

Email: Jason.Smith@wildlife.nh.gov

Direct 859-2041

Results Needed by: Preferred date _____

Notes:

QC deliverables

☒ A ☐ A+ ☐ B ☐ B+ ☐ C ☐ PC

ReportingOptions

☒ HC ☐ NO FAX

☒ EDD PDF ☐ Partial FAX

☒ EDD email ☐ PDF Invoice

☒ PDF prelim, NO FAX ☐ EQUIS

☐ e-mail Login Confirmation

PO# 02-07500

Quote#: 1012752

Temp 0.8 °C

Ice Y☒ N☐

Samples Collected by: Edward J. Malone

E.J. Malone 6/14/16 11:55

Relinquished by	Date/Time	Received by
	6/14/16	10:55
	6/14/16 1451	
Relinquished by	Date/Time	Received by